STATISTICAL ANALYSIS

ACTION COMPONENT(S):

   OCS

USER COMPONENT(S):

   DDP, OMS

OBJECTIVE:

   The objective of this project is to exploit the power and speed of
computer systems required for classical statistical analysis for a) data
reduction and pattern analysis, and b) event prediction. Such techniques
are being used to analyze observations of intelligence significance and
predict future activity and to construct psychological profiles using
standard psychometric techniques.

DESCRIPTION:

   In the first area mentioned above, analysis has been performed on
over 80,000 transactions per month for a cooperating foreign intelligence
service. Research goals are to find the appropriate analytical model that
will best reconstruct certain intelligence activity patterns and to simulate,
future events of intelligence significance through the application of pattern
recognition techniques. In the psychiatric assessment area, preliminary
analysis has been performed on pre-employment psychological testing
instruments, including factor analysis. Plans call for a complete statis-
tical analysis of such tests, providing machine scoring techniques for
the entire test battery, to produce psychological reports on individual
cases automatically, and to report them to the psychiatric staff via
remote terminals. In addition, statistical research will continue on job
category classification in job performance analysis. Statistical techniques
and related programs will be developed to handle the very large number of
variables administered by the psychiatric staff.

CHRONOLOGY:

   Initiated: FY-66
   Operational: FY-67
   Operational Evaluation: FY-68

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